

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY
 (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
 LUD 5298

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ACTIVIN RECEPTOR-LIKE KINASES, PROTEINS HAVING SERINE

THREONINE KINASE DOMAINS AND THEIR USE

the specification of which (check only one item below):

is attached hereto.

was filed as United States application

Serial No. 08/436,265

on May 16, 1995

and was amended

on _____ (if applicable).

was filed as PCT international application

Number PCT/GB93/02367

on November 17, 1993

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY IN PCT (INCLUDE PCT'S)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
GB	9224057.1	17 November 1992	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GB	9304677.9	8 March 1993	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GB	9304680.3	8 March 1993	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GB	9311047.6	28 May 1993	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GB	9313763.6	2 July 1993	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GB	9136099.2	3 August 1993	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Off. <input checked="" type="checkbox"/> Yes (January 1991)
GB	9321344.5	15 October 1993	<input checked="" type="checkbox"/> Yes

Combined Declaration For Patent Application and Power of Attorney (Continued)
(Includes Reference to PCT International Applications)ATTORNEY'S DOCKET NUMBER
TUD 5298

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER
35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED

PCT APPLICATIONS DESIGNATING THE U.S.

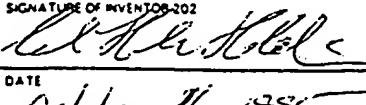
PCT APPLICATION NO	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)
PCT/GB93/02367	Nov. 17, 1993	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Peter F. Felfe (20,297); John E. Lynch (20,940); Alfred H. Hemingway, Jr. (26,736); Vincent M. Fazzari (26,879); Norman D. Hanson (30,946); F. Brice Faller (29,532); Andrew L. Tiajoloff

201	FULL NAME OF INVENTOR	FAMILY NAME Miyazono	FIRST GIVEN NAME Kohei	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Uppsala	STATE OR FOREIGN COUNTRY Sweden	COUNTRY OF CITIZENSHIP Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Flogstavagen 63D, S-	CITY 752 63, Uppsala	STATE & ZIP CODE/COUNTRY Sweden
202	FULL NAME OF INVENTOR	FAMILY NAME ten Dijke	FIRST GIVEN NAME Peter	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Uppsala	STATE OR FOREIGN COUNTRY Sweden	COUNTRY OF CITIZENSHIP Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Flogstavagen 25C, S-	CITY 752 63, Uppsala	STATE & ZIP CODE/COUNTRY Sweden
203	FULL NAME OF INVENTOR	FAMILY NAME Franzen	FIRST GIVEN NAME Petra	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Uppsala	STATE OR FOREIGN COUNTRY Sweden	COUNTRY OF CITIZENSHIP Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Lindsbergsgatan 15b	CITY S-752 40, Uppsala	STATE & ZIP CODE/COUNTRY Sweden

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE —	DATE October 16, 1995	DATE October 16, 1995

Combined Declaration For Patent Application and Power of Attorney (Continued) (Includes Reference to PCT International Applications)				ATTORNEY'S DOCKET NUMBER LUD 5298																																													
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--	---

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	RESIDENCE & CITIZENSHIP	Uppsala	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
202	POST OFFICE ADDRESS	Flogstavagen 63D, S-752 63, Uppsala	CITY	STATE & ZIP CODE/COUNTRY
	FULL NAME OF INVENTOR	ten Dijke	FIRST GIVEN NAME	SECOND GIVEN NAME
203	RESIDENCE & CITIZENSHIP	Uppsala	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	Flogstavagen 25C, S-752 63, Uppsala	CITY	STATE & ZIP CODE/COUNTRY
204	FULL NAME OF INVENTOR	Franzen	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	Uppsala	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
205	POST OFFICE ADDRESS	Lindsbergsgatan 15b	CITY	STATE & ZIP CODE/COUNTRY
			S-752 40, Uppsala	Sweden

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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
Kohri Miyazono Oct. 16, 1995		

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*FELFE & LYNCH
805 Third Avenue, New York, New York 10022

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(Home and telephone numbers)
(212) 688-9200

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Hidetoshi Yamashita Oct. 16, 1995		